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NOTICE OF ALLOWANCE AND FEE(S) DUE

Suite 500

7590

YOUNG & THOMPSON

ALEXANDRIA, VA 22314

209 Madison Street

03/20/2009

EXAMINER BEST, ZACHARY P

PAPER NUMBER

ART UNIT 1795

DATE MAILED: 03/20/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,026	12/15/2004	Masayuki Kinouchi	8007-1078	4925

TITLE OF INVENTION: POLYELECTROLYTE MEMBRANE AND PRODUCTION METHOD THEREFOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/22/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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YOUNG & TH 209 Madison Str Suite 500] { {	I here State addre trans	eby certify that thi s Postal Service w essed to the Mail	s Fee(: ith suf Stop	s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the day	deposit t class r above,	ted with the United mail in an envelope or being facsimile
ALEXANDRIA	, VA 22314		[(Depositor's name)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO	RNEY DOCKET NO.	CONF	FIRMATION NO.
10/518,026	12/15/2004	•	Masayuki Kinouch	i			8007-1078		4925
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YOUNG & THO	MPSON	BEST, ZA	CHARY P			
209 Madison Stree	t		ART UNIT	PAPER NUMBER		
Suite 500 ALEXANDRIA, VA 22314			1795 DATE MAILED: 03/20/200	0		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 781 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 781 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)				
	10/518,026	KINOUCHI ET AL.				
Notice of Allowability	Examiner	Art Unit				
	Zachary Best	1795				
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet wi (OR REMAINS) CLOSED ir or other appropriate commu IGHTS. This application is s	this application. If not included inication will be mailed in due course. Th	IIS			
1. This communication is responsive to <u>2/24/09</u> .						
2. The allowed claim(s) is/are 1-6,12-16 and 23.						
 2.						
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	 6. ☐ Interview S Paper No./ 7. ☐ Examiner's 8. ☒ Examiner's 	formal Patent Application Immary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowance Search report, STN search report.				



Application No.

Application/Control Number: 10/518,026 Page 2

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POLYELECTROLYTE MEMBRANE AND PRODUCTION METHOD THEREOF

Examiner: Z. Best S.N. 10/518,026 Art Unit: 1795 March 9, 2009

DETAILED ACTION

- 1. Applicant's amendment filed on February 24, 2009 was received. Claim 1 was amended. Claims 9-10, 17-22, and 24-25 were cancelled.
- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

3. The rejections under 35 U.S.C. 103(a) of Claims 1-4, 6, 9, 14-17 and 19 as being unpatentable over Nakagawa et al. in view of Funaoka et al. and Paronen, Claim 5 as being unpatentable over Nakagawa et al. in view of Funaoka et al. and Paronen in further view of Kim et al., Claims 12-13 as being unpatentable over Nakagawa et al. in view of Funaoka et al. and Paronen in further view of Suzuki et al. are withdrawn because Claim 1 was amended.

Allowable Subject Matter

4. Claims 1-6, 12-16, and 23 are allowed. The following is an examiner's statement of reasons for allowance: the prior art of record does not teach or suggest a microporous

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polymer membrane being a microporous polyimide polymer membrane with the polyimide constituting the microporous polyimide membrane comprising at least 1 mol% of 3,3'-dihydroxy-4,4'-diaminobiphenyl based on a total diamine component as recited in Claim 1. Examiner notes that Kaneko et al. does teach a polyimide with a 3,3'-dihydroxy-4,4'-diaminobiphenyl additive; however, Examiner is persuaded by Applicant's arguments in that Kaneko et al. teach the polyimide for use in flexible printed boards, which is not analogous to the technology of polymer electrolyte membranes or electrochemical cells.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zachary Best whose telephone number is (571) 270-3963. The examiner can normally be reached on Monday to Thursday, 7:30 - 5:00 (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dah-Wei Yuan can be reached on (571) 272-1295. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

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about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on

access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-

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Representative or access to the automated information system, call 800-786-9199 (IN USA

OR CANADA) or 571-272-1000.

zpb

/Dah-Wei D. Yuan/

Supervisory Patent Examiner, Art Unit 1795